



PATENT
1155-0243P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Yasushi NAKAYAMA et al. Conf.: 4533
Appl. No.: 10/078,670 Group: 1713
Filed: February 21, 2002 Examiner: HARLAN
For: OLEFIN POLYMERIZATION CATALYST AND PROCESS FOR
PRODUCING OLEFIN POLYMER WITH THE CATALYST

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION AFTER FILING OF AN APPLICATION
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE
OR CONCURRENTLY WITH A RULE 1.114 RCE APPLICATION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DEC 17 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449(s), attached hereto.

II. COPIES (check at least one box)

- a. ☒ This application was filed before June 30, 2003. Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ This application was filed on or after June 30, 2003. Accordingly, copies of cited U.S. patents and patent application publications therefore are not included. Copies of foreign patent documents and non-patent literature are included.

- c. ☐ Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

- a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

- b. ☒ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

JP 2000-1513 A - see the attached English abstract;

JP 2000-273114 A - see the attached English abstract;

JP 6-136049 A - see the attached English abstract;

JP 10-330411 A - see the attached English abstract;

JP 2001-2724 A - see the attached English abstract;

JP 2000-264913 A - see the attached English abstract;

JP 9-278821 A - see the attached English abstract;

JP 8-27210 A - see the attached English abstract;

JP 10-195128 A - see the attached English abstract;

JP 11-199592 A - see the attached English abstract;

JP 10-182679 A - see the attached English abstract;

JP 2000-302810 A - see the attached English abstract;

JP 2000-86677 A - see the attached English abstract;

JP 11-100394 A - see the attached English abstract;

JP 11-181016 A - see the attached English abstract;

JP 11-199593 A - see the attached English abstract;

JP 10-324710 A - see the attached English abstract;

JP 11-80231 A - see the attached English abstract;

JP 10-298216 A - see the attached English abstract;

JP 10-324709 A - see the attached English abstract;

JP 62-275106 A - see the attached English abstract;

JP 8-34811 A - see the attached English abstract;

JP 10-7713 A - see the attached English abstract;

JP 8-245715 A - see the attached English abstract;

JP 6-340711 A - see the attached English abstract;

JP 11-292911 A - see the attached English abstract;

JP 2001-192405 A - see the attached English abstract;

JP 2002-53611 A - see the attached English abstract;

JP 2001-316413 A - see the attached English abstract;

JP 2001-213913 A - see the attached English abstract;

JP 2001-187345 A - see the attached English abstract;

JP 2001-200010 A - see the attached English abstract;

JP 11-29610 A - see the attached English abstract.

c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEEs

IV. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (*This section is not to be used with RCE's.*)
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.

- d. ☐ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

- V. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
or
b. ☒ See the statement below. No fee is required.

- VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☒ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.

- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-2448 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

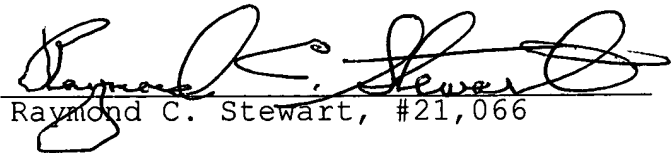
Appl. No. 10/078,670

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By


Raymond C. Stewart, #21,066

XMR
RCS/JWH/sh
1155-0243P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachment(s): ☒ PTO-1449
☒ Documents
☒ Foreign Search Report
☐ Fee
☐ Other:

(Rev. 09/30/03)



Form PTO-1449

**INFORMATION DISCLOSURE CITATION
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(Use several sheets if necessary)

ATTY. DOCKET NO.
1155-0243PAPPLICATION NO.
10/078,670APPLICANT
Yasushi NAKAYAMA et al.FILING DATE
February 21, 2002GROUP
1713**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,688,733	A	11-18-1997	Renkema et al.			
	US 2002/0193536	A1	12-19-2002	Kashiwamura et al.			
	US						
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FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	DD	99 556	A	1973-08-12	GERMANY				X
	JP	2000-1513	A	2000-01-07	JAPAN			ABS	
	JP	2000-273114	A	2000-10-03	JAPAN			ABS	
	WO	00/20427	A	2000-04-13	PCT			X	
	JP	6-136049	A	1994-05-17	JAPAN			ABS	
	EP	0 590 486	A2	1994-04-06	EUROPE			X	
	EP	1 054 021	A1	2000-11-22	EUROPE			X	
	JP	10-330411	A	1998-12-15	JAPAN			ABS	
	JP	2001-2724	A	01-09-2001	JAPAN			ABS	
	EP	0 574 794	A1	12-22-1993	EUROPE			X	
	EP	1 026 176	A1	08-09-2000	EUROPE			X	
	JP	2000-264913	A	09-26-2000	JAPAN			ABS	
	EP	0 985 685	A1	03-15-2000	EUROPE			X	
	EP	0 945 471	A1	09-29-1999	EUROPE			X	
	EP	9-278821	A	10-28-1997	JAPAN			ABS	
	EP	8-27210	A	01-30-1996	JAPAN			ABS	

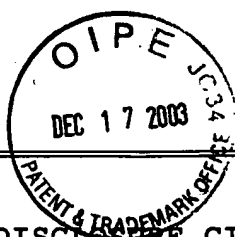
OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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								YES	NO
	GB	1 314 053	A	04-18-1973	GREAT BRITAIN			X	
	JP	10-195128	A	07-28-1998	JAPAN			ABS	
	JP	11-199592	A	07-27-1999	JAPAN			ABS	
	JP	10-182679	A	07-07-1998	JAPAN			ABS	
	WO	98/03559	A1	01-29-1998	PCT			X	
	EP	0 950 667	A2	10-20-1999	EUROPE			X	
	WO	99/62968	A1	12-09-1999	PCT			X	
	JP	2000-302810	A	10-31-2000	JAPAN			ABS	
	JP	2000-86677	A	03-28-2000	JAPAN			ABS	
	JP	11-100394	A	04-13-1999	JAPAN			ABS	
	JP	11-181016	A	07-06-1999	JAPAN			ABS	
	JP	11-199593	A	07-27-1999	JAPAN			ABS	
	GB	1 341 275	A	12-19-1973	GREAT BRITAIN			X	
	JP	10-324710	A	12-08-1998	JAPAN			ABS	
	JP	11-80231	A	03-26-1999	JAPAN			ABS	
	JP	10-298216	A	11-10-1998	JAPAN			ABS	

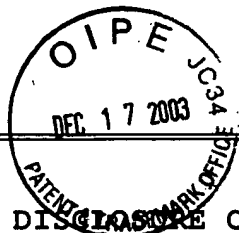
OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

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	JP	8-34811	A	02-06-1996	JAPAN			ABS	
	JP	10-7713	A	01-13-1998	JAPAN			ABS	
	EP	8-245715	A	09-24-1996	JAPAN			ABS	
	JP	6-340711	A	12-13-1994	JAPAN			ABS	
	JP	11-292911	A	10-26-1999	JAPAN			ABS	
	EP	1 243 598	A1	09-25-2002	EUROPE			X	
	JP	2001-192405	A	07-17-2001	JAPAN			ABS	
	EP	1 136 122	A1	09-26-2001	EUROPE			X	
	JP	2002-53611	A	02-19-2002	JAPAN			ABS	
	WO	02/06358	A1	01-24-2002	PCT			X	
	JP	2001-316413	A	11-13-2001	JAPAN			ABS	
	JP	2001-213913	A	08-07-2001	JAPAN			ABS	
	EP	1 170 308	A2	01-09-2002	EUROPE			X	
	WO	01/74831	A1	10-11-2001	PCT			X	

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

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RCS/JWH/sh